Carbohydrate Research 268 (1995) C17-C19

CONTENTS

Complexes of cobalt(III) with p-fructose and phenanthroline	
E. Moraga, S. Bunel, C. Ibarra (Santiago, Chile), A. Blaskó and C.A. Bunton (Santa Barbara, CA, USA)	1
Synthesis of the glycosyl amino acids N°-Fmoc-Ser[Ac ₄ - β -D-Gal p -(1 \rightarrow 3)-Ac ₂ - α -D-GalN ₃ p]-OPfp and N°-Fmoc-Thr[Ac ₄ - β -D-Gal p -(1 \rightarrow 3)-Ac ₂ - α -D-GalN ₃ p]-OPfp and the application in the solid-phase peptide synthesis of multiply glycosylated mucin peptides with T ⁿ and T antigenic structures	
H. Paulsen, S. Peters, T. Bielfeldt (Hamburg, Germany), M. Meldal and K. Bock (Copenhagen, Denmark)	17
Synthesis of methyl glycosides of some α -isomalto oligosaccharides specifically deoxygenated at position C-2	
E. Petráková and C.P.J. Glaudemans (Bethesda, MD, USA)	35
The reaction between epichlorohydrin and polysaccharides: Part 2, synthesis of some model substances, with cyclic substituents	
L. Holmberg (Uppsala, Sweden), B. Lindberg (Stockholm, Sweden) and B. Lindqvist (Uppsala, Sweden)	47
Isothiocyanates and cyclic thiocarbamates of α, α' -trehalose, sucrose, and cyclomaltooligosaccharides	
J.M. García Fernández, C. Ortiz Mellet, J.L. Jiménez Blanco, J. Fuentes Mota (Sevilla, Spain), A. Gadelle, A. Coste-Sarguet and J. Defaye (Grenoble, France)	57
Synthesis of specifically deoxygenated analogues of the methyl α -glycoside of the intracatenary monosaccharide repeating unit of the O-polysaccharide of <i>Vibrio cholerae</i> O:1	
M. Gotoh and P. Kováč (Bethesda, MD, USA)	73
Synthesis of methyl (D-glycopyranosyl azide)uronates Z. Györgydeák and J. Thiem (Hamburg, Germany)	85
Syntheses of 4'-deoxy- α -maltosyl fluoride and 4"-deoxy- α -maltotriosyl fluoride as probes of α -glucanotransferase mechanisms	
T.K. Lindhorst, C. Braun and S.G. Withers (Vancouver, Canada)	93
Preparation of a methyl 3,4-dideoxy-3-C-nitro-α-D-threo-hex-3-enopyranoside bearing a peroxy function at C-2 and its reactions with some nucleophiles	
A. Seta, K. Tokuda and T. Sakakibara (Yokohama, Japan)	107

C18 Contents

The specificity of the binding site of Achatinin _H , a sialic acid-binding lectin from <i>Achatina fulica</i> G. Sen and C. Mandal (Calcutta, India)	115
Notes	
The crystal and molecular structure of 4-cyanophenyl 5-thio-β-D-xylopyranoside	123
J.Y. Le Questel, N. Mouhous-Riou and S. Pérez (Nantes, France)	127
Anomalous Zemplén deacylation of protected methyl 2-deoxy-α-D-arabino-hexopyranosides and	
related methyl α -isomaltosides and α -isomaltotriosides	
E. Petráková and C.P.J. Glaudemans (Bethesda, MD, USA)	135
The effect of N-substitution on the hydrolysis of chitosan by an endo-chitosanase	
N. Hutadilok, T. Mochimasu, H. Hisamori, Ki. Hayashi, H. Tachibana, T. Ishii and S.	
Hirano (Tottori, Japan)	143
ritano (Tottori, Japan).	14.
Analysis of endo- $(1 \rightarrow 5)$ - α -L-arabinanase degradation patterns of linear $(1 \rightarrow 5)$ - α -L-arabino-	
oligosaccharides by high-performance anion-exchange chromatography with pulsed ampero-	
metric detection	
M.P.H. Dunkel and R. Amadò (Zurich, Switzerland)	151
Preliminary communication	
Cyclo-glycosylation of a $(1 \rightarrow 4)$ -linked glycooctaose and glycodecaose: Synthesis of cyclo-	
lacto octaose and cyclo-lacto decaose	
H. Kuyama, T. Nukada, Y. Ito, Y. Nakahara and T. Ogawa (Saitama, Japan)	C1
Announcement	C
Announcement	C
Demonitor in consequence adultion of the contraction idea consequence to the binding site of	
Dynamics in aqueous solutions of the pentasaccharide corresponding to the binding site of	
heparin for antithrombin III studied by NMR relaxation measurements	4.50
M. Hricovíni and G. Torri (Milano, Italy)	159
Synthesis and reactions of an $(\alpha$ -D-glucopyranosyl)phenylacetylene	
J. Désiré and A. Veyrières (Orléans, France)	177
Synthesis of a mixture of $(2S,5R)$ - and $(2S,5S)$ -2-methyl-1,6-dioxaspiro[4.5]decane, the odor	
bouquet minor components of Paravespula vulgaris (L.), from L-sorbose	
I.I. Cubero, M.T. Plaza Lopez-Espinosa and N. Kari (Granada, Spain)	187
Fructose-grafted amylose and amylopectin	
G.N. Richards and J.Y. VanDenburg (Missoula, MT, USA)	201
Stereoselective thermal transfer of fructose from sucrose to cyclodextrins	
	200
M. Manley-Harris and G.N. Richards (Missoula, MT, USA)	209
Structural analysis of the polysaccharide from Pachymenia lusoria (Cryptonemiaceae,	
Rhodophyta)	
I.J. Miller, R. Falshaw and R.H. Furneaux (Lower Hutt, New Zealand)	219
Some factors determining the thermal properties of amylose inclusion complexes with fatty acids	
J. Karkalas, S. Ma, W.R. Morrison and R.A. Pethrick (Glasgow, United Kingdom)	233
, see and the see	200

C19

Structural studies of O-specific polysaccharide chains of the lipopolysaccharide from Yersinia enterocolitica serovar O:10	
R.P. Gorshkova, V.V. Isakov, E.N. Kalmykova and Y.S. Ovodov (Vladivostok, Russia)	249
Thermoinactivation of cellobiohydrolase I from <i>Trichoderma reesei</i> QM 9414 J. Jiménez, J.M. Domínguez, M.P. Castillón and C. Acebal (Madrid, Spain)	257
Subsite mapping of porcine pancreatic alpha-amylase I and II using 4-nitrophenyl-α-maltooligo-saccharides E. Hassan Ajandouz and G.J. Marchis-Mouren (Marseille, France)	267
Notes	
Synthesis of isomeric sulfated disaccharides. Methyl O -(2-acetamido-2-deoxy-3- O -, 4- O -, and 6- O -sulfo- β -D-glucopyranosyl sodium salt)-(1 \rightarrow 3)- β -D-galactopyranoside R.K. Jain, XG. Liu and K.L. Matta (Buffalo, NY, USA)	279
	217
Radical reactions on carbohydrate acetals: use of a furanoid glycal for the synthesis of <i>cis</i> -fused bicyclic acetals	
G.V.M. Sharma and K. Krishnudu (Hyderabad, India)	287
Synthesis of some N-hexopyranosyl-2-pyridones and -2-pyridinethiones A.M.E. Attia (Tanta, Egypt) and G.E.H. Elgemeie (Bani Suef, Egyp)	295
Synthesis of sugar pyrrolidine derivatives from methyl 4,6-O-benzylidene-2-deoxy-2-dimethyl- amino-α-D-altropyranoside N-oxide	201
J. Chastanet, G. Roussi (Gif-sur-Yvette, France) and G. Negrón (México D.F., México)	301
The core trisaccharide of α-L-arabinofuranan: synthesis of methyl 3,5-di-O-α-L-arabinofuranosyl-α-L-arabinofuranoside	207
S. Kaneko, Y. Kawabata, T. Ishii, Y. Gama and I. Kusakabe (Ibaraki, Japan)	307
Disialyl lactose from buffalo colostrum: isolation and characterization H.S. Aparna and P.V. Salimath (Mysore, India)	313
Homogeneous alkylation of cellulose in lithium chloride/dimethyl sulfoxide solvent with dimsyl sodium activation. A proposal for the mechanism of cellulose dissolution in LiCl/Me ₂ SO	
L. Petruš (Bratislava, Slovak Republic), D.G. Gray (Montreal, Canada) and J.N. BeMiller (West Lafayette, IN, USA)	319
Announcement	C9
Author index	C11
Subject index	C13
Contents	C17